

Fig. 1

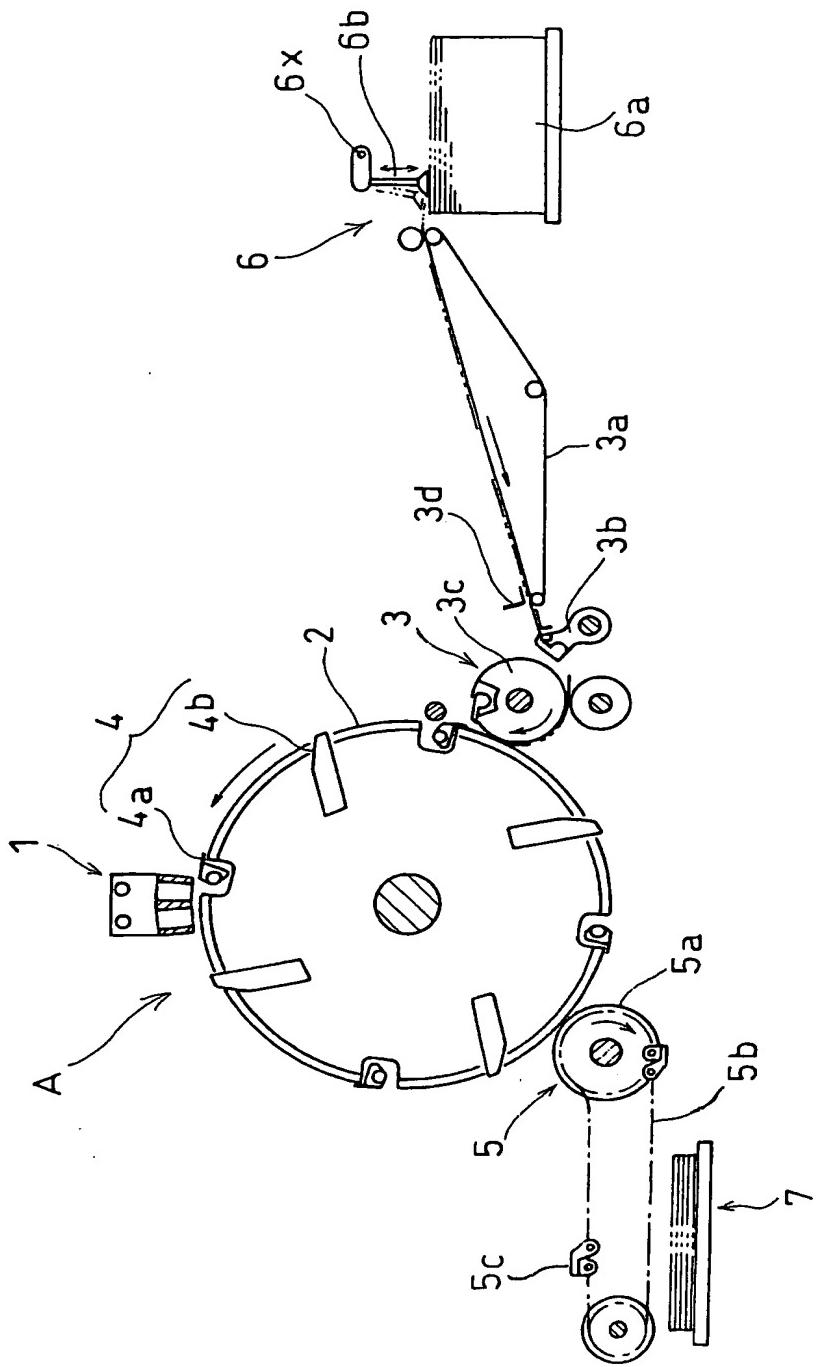


Fig.2

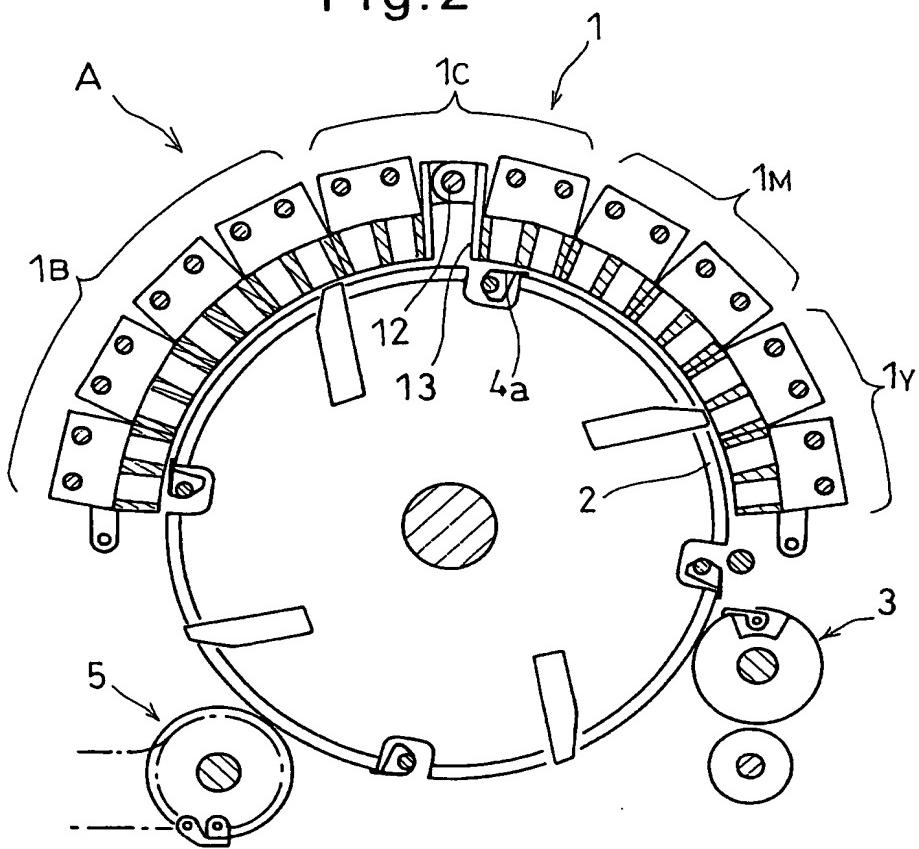


Fig. 3

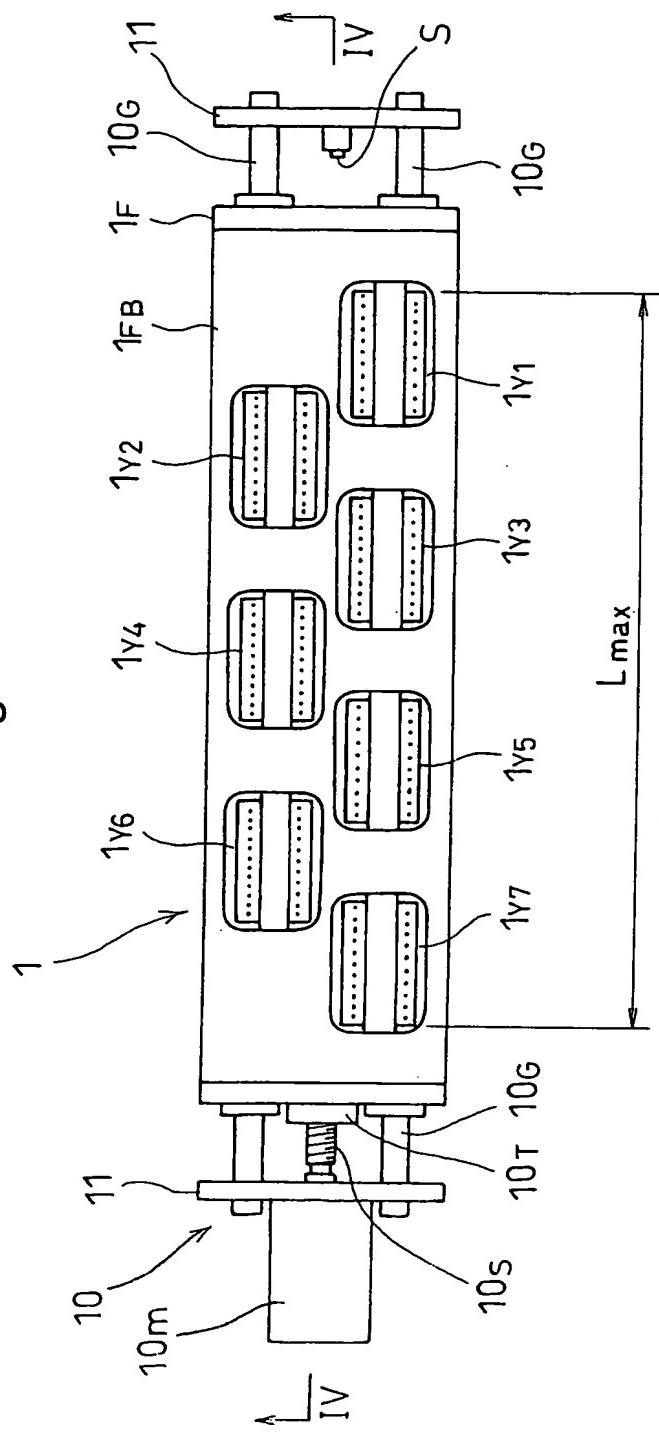
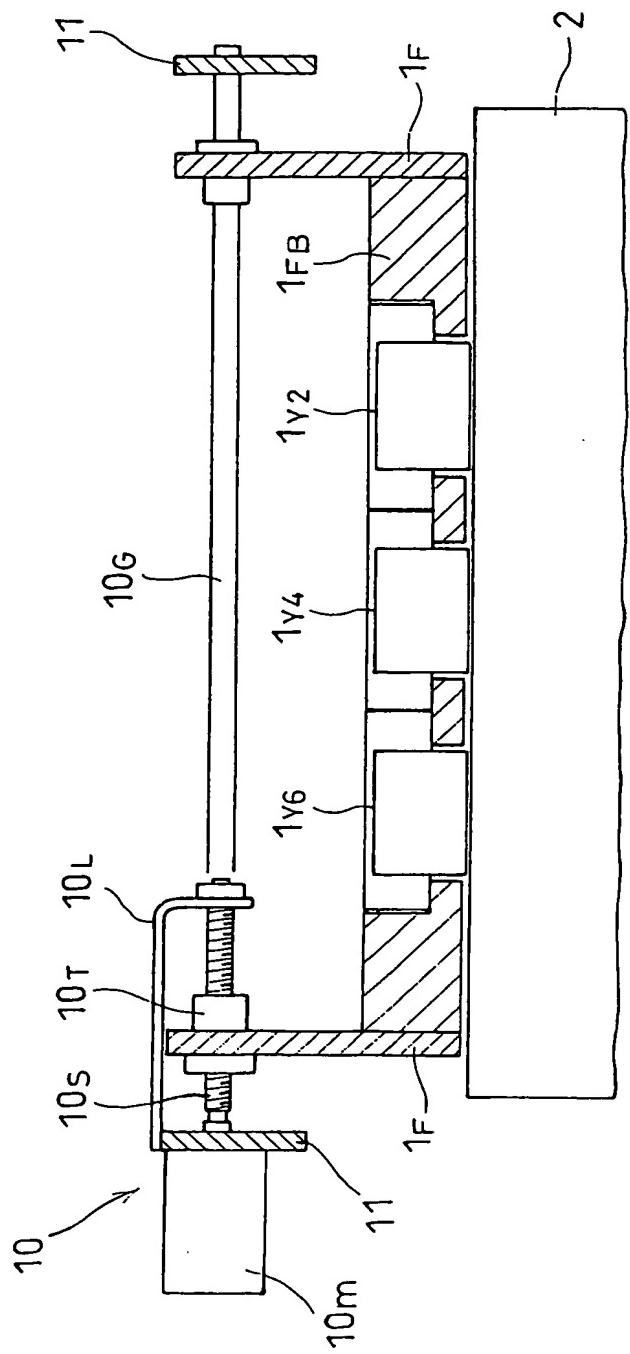
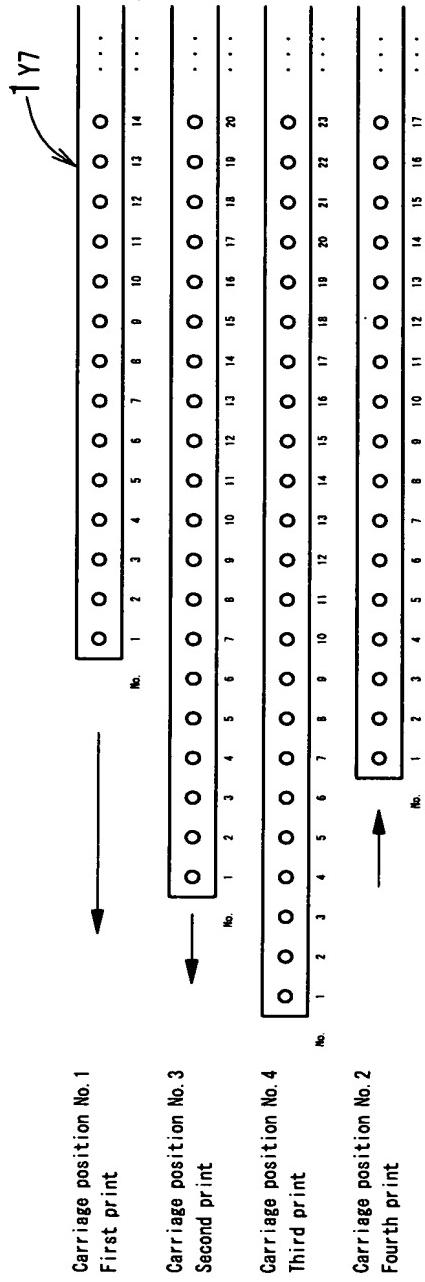


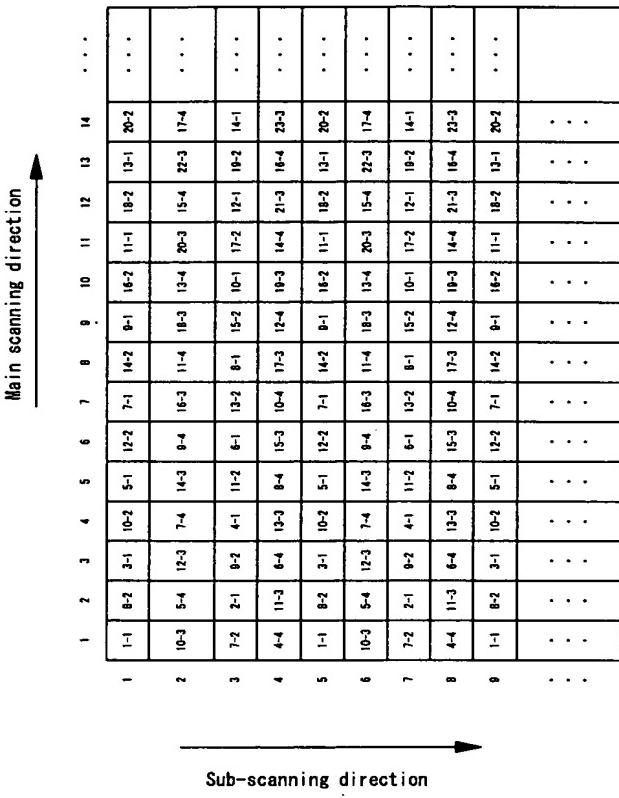
Fig. 4



**Fig. 5A**



**Fig. 5B**

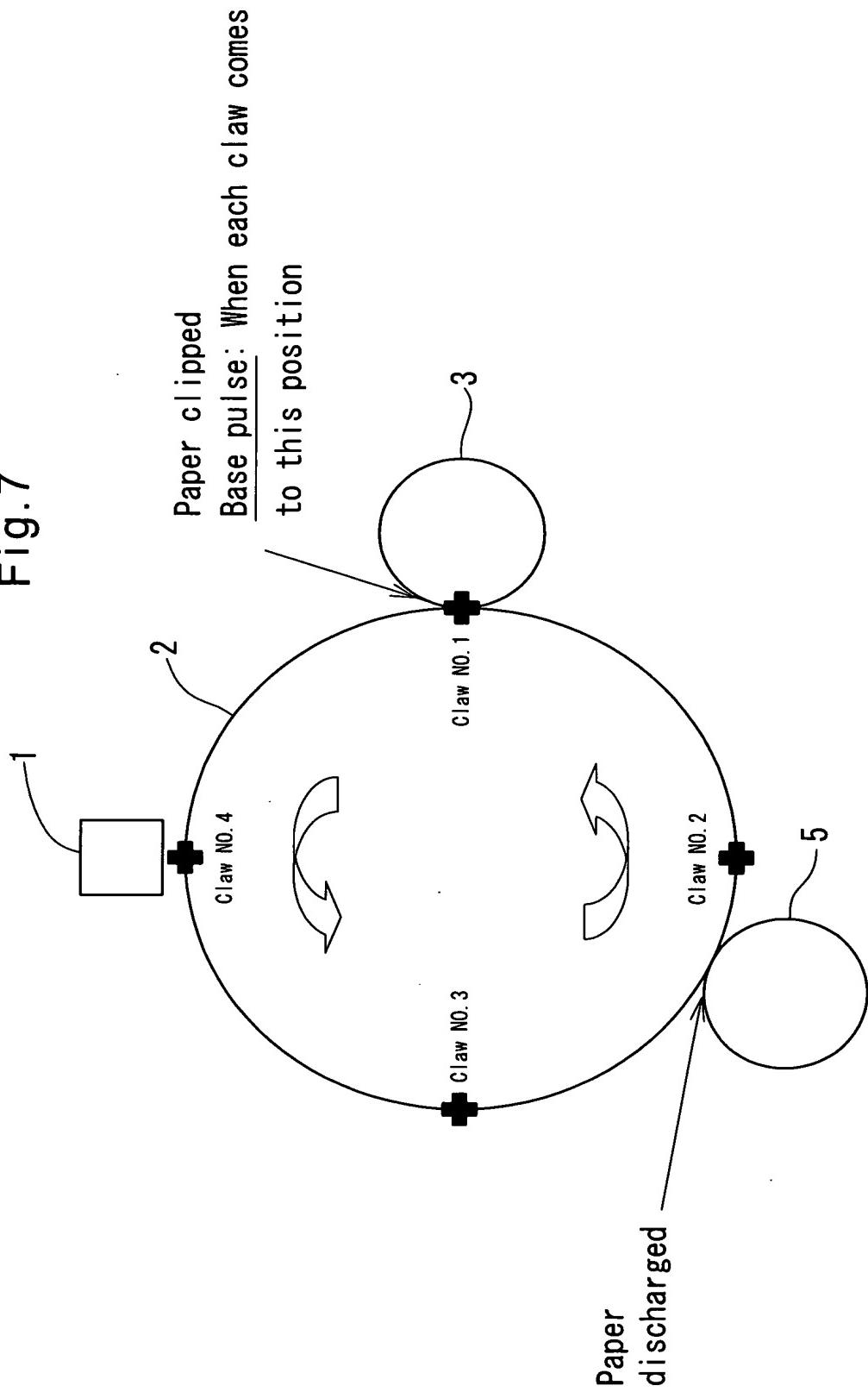


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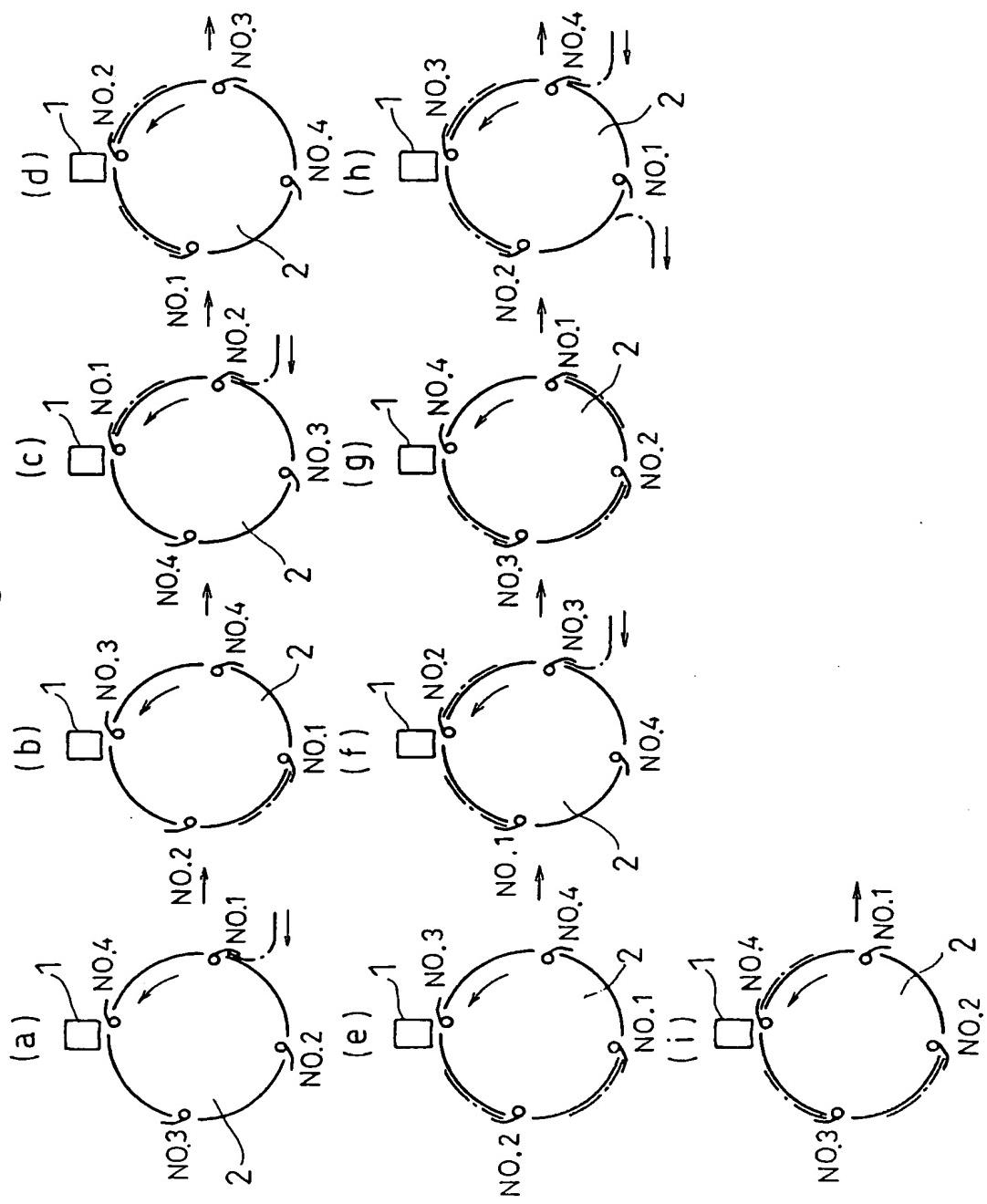
**Fig.6**

		1st rotation				2nd rotation				3rd rotation				4th rotation			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>1st paper</b>		1 ○ 1	2 ○ 2	3 ○ 3	4 ○ 4	1 △ 7	2 △ 8	3 △ 9	4 △ 10	1 ▽ 9	2 ▽ 10	3 ▽ 11	4 ▽ 12	1 □ 1	2 □ 2	3 □ 3	4 □ 4
<b>2nd paper</b>		1 ○ 1	2 ○ 2	3 ○ 3	4 ○ 4	1 △ 10	2 △ 11	3 △ 12	4 △ 13	1 ▽ 12	2 ▽ 13	3 ▽ 1	4 ▽ 2	1 □ 1	2 □ 2	3 □ 3	4 □ 4
<b>3rd paper</b>		1 ○ 1	2 ○ 2	3 ○ 3	4 ○ 4	1 △ 12	2 △ 13	3 △ 11	4 △ 10	1 ▽ 13	2 ▽ 1	3 ▽ 2	4 ▽ 3	1 □ 1	2 □ 2	3 □ 3	4 □ 4
<b>4th paper</b>		1 ○ 1	2 ○ 2	3 ○ 3	4 ○ 4	1 △ 10	2 △ 11	3 △ 12	4 △ 1	1 ▽ 1	2 ▽ 2	3 ▽ 3	4 ▽ 4	1 □ 1	2 □ 2	3 □ 3	4 □ 4

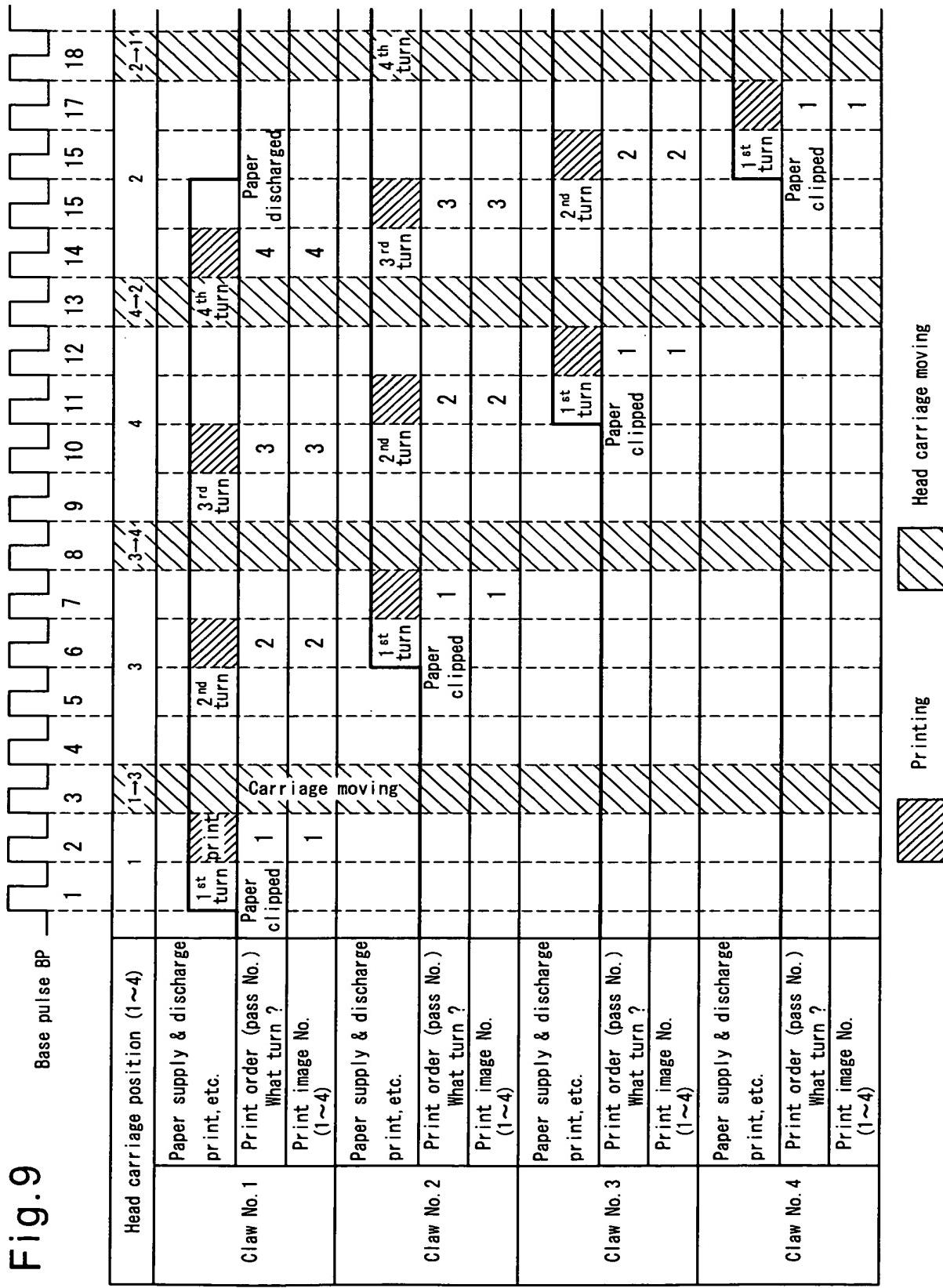
Fig. 7



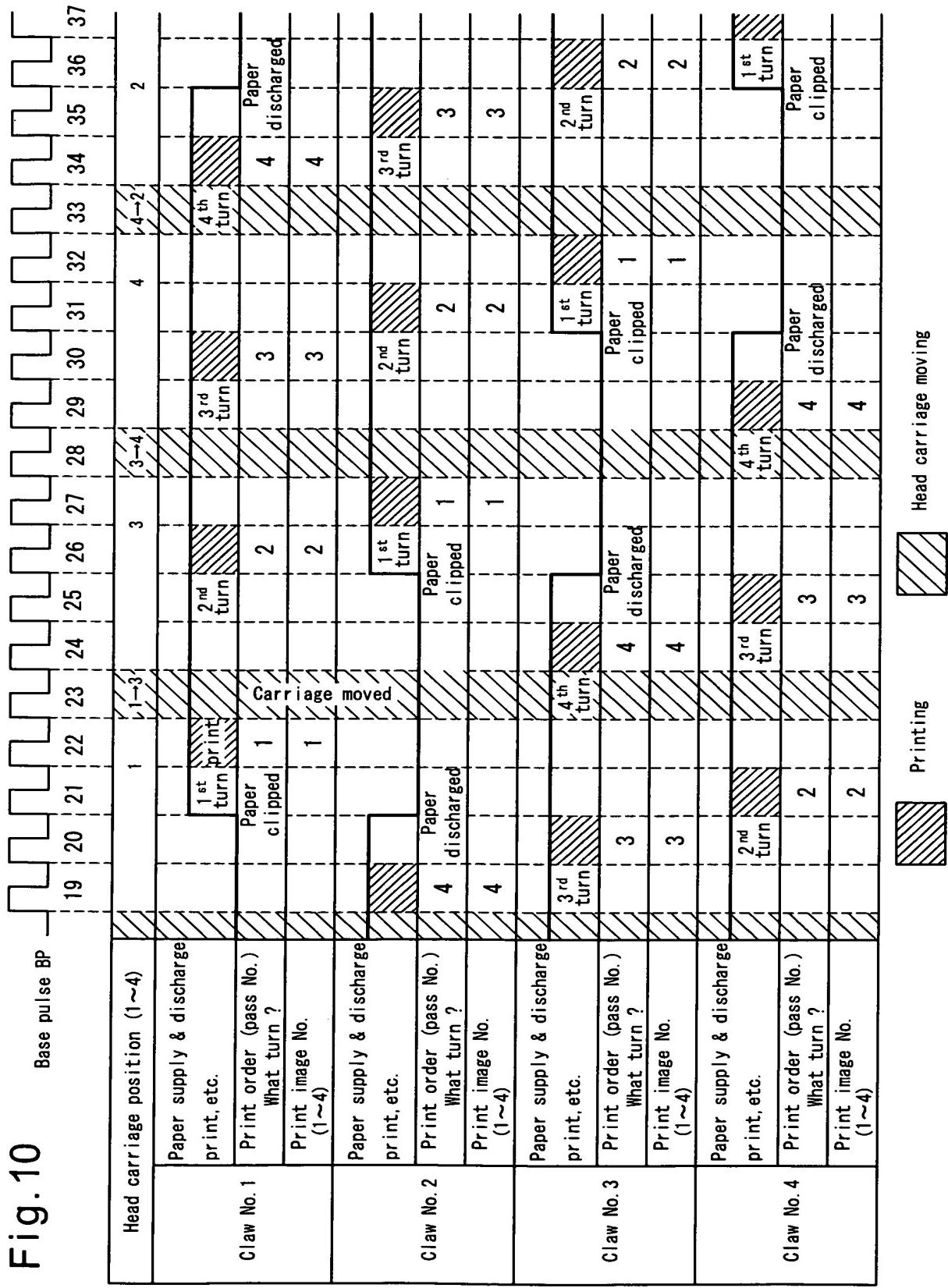
**Fig. 8**



**Fig. 9**



**Fig. 10**



**Fig. 11**

Base pulse BP		Head carriage position (1~4)																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15	17	18
	Paper supply & discharge print, etc.																		
Claw No. 1	Print order (pass No.)	Paper	clipped	1															
	What turn ?	1 <sup>st</sup> print turn																	
	Print image No. (1~4)																		
	Paper supply & discharge print, etc.																		
Claw No. 2	Print order (pass No.)	Paper	clipped	1															
	What turn ?	2 <sup>nd</sup> turn																	
	Print image No. (1~4)																		
	Paper supply & discharge print, etc.																		
Claw No. 3	Print order (pass No.)	Paper	clipped	1															
	What turn ?	3 <sup>rd</sup> turn																	
	Print image No. (1~4)																		
	Paper supply & discharge print, etc.																		
Claw No. 4	Print order (pass No.)	Paper	clipped	1															
	What turn ?	4 <sup>th</sup> turn																	
	Print image No. (1~4)																		

 Head carriage moving  
 Printing

**Fig. 12**

Base pulse BP		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
<b>Head carriage position (1~4)</b>																				
	Paper supply & discharge print, etc.																			
Claw No. 1	Print order (pass No.)	1	1~3																	
	What turn ?																			
	Print image No. (1~4)																			
	Paper supply & discharge print, etc.																			
Claw No. 2	Print order (pass No.)	2	1	1~3																
	What turn ?																			
	Print image No. (1~4)																			
	Paper supply & discharge print, etc.																			
Claw No. 3	Print order (pass No.)	3	3	1~3																
	What turn ?																			
	Print image No. (1~4)																			
	Paper supply & discharge print, etc.																			
Claw No. 4	Print order (pass No.)	4	2	2	1~3															
	What turn ?																			
	Print image No. (1~4)																			
	Paper supply & discharge print, etc.																			

 Head carriage moving  
 Printing

Print image number ○ → 1 △ → 3 □ → 4 ▲ → 2

Fig. 13

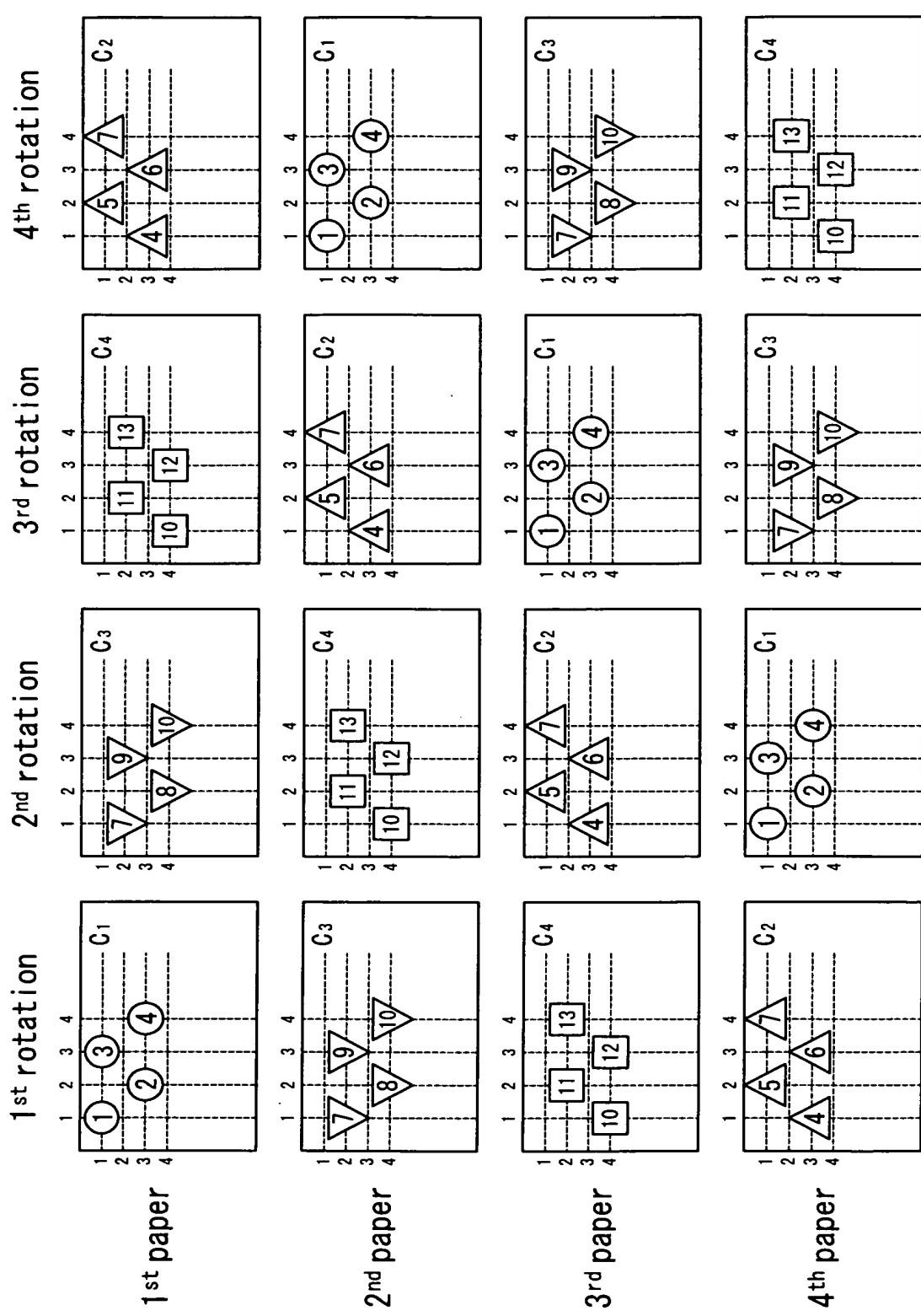


Fig. 14

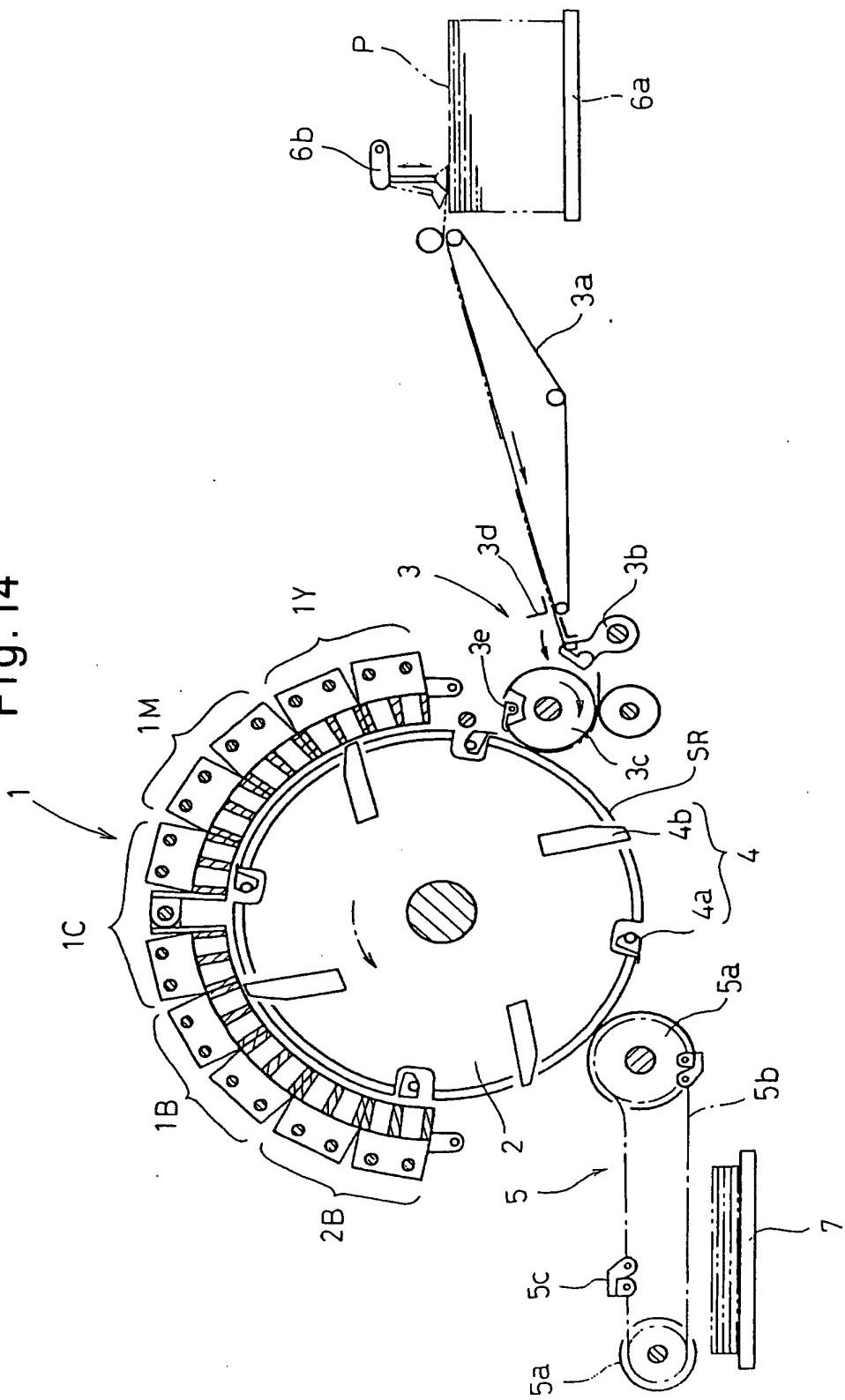


Fig. 15

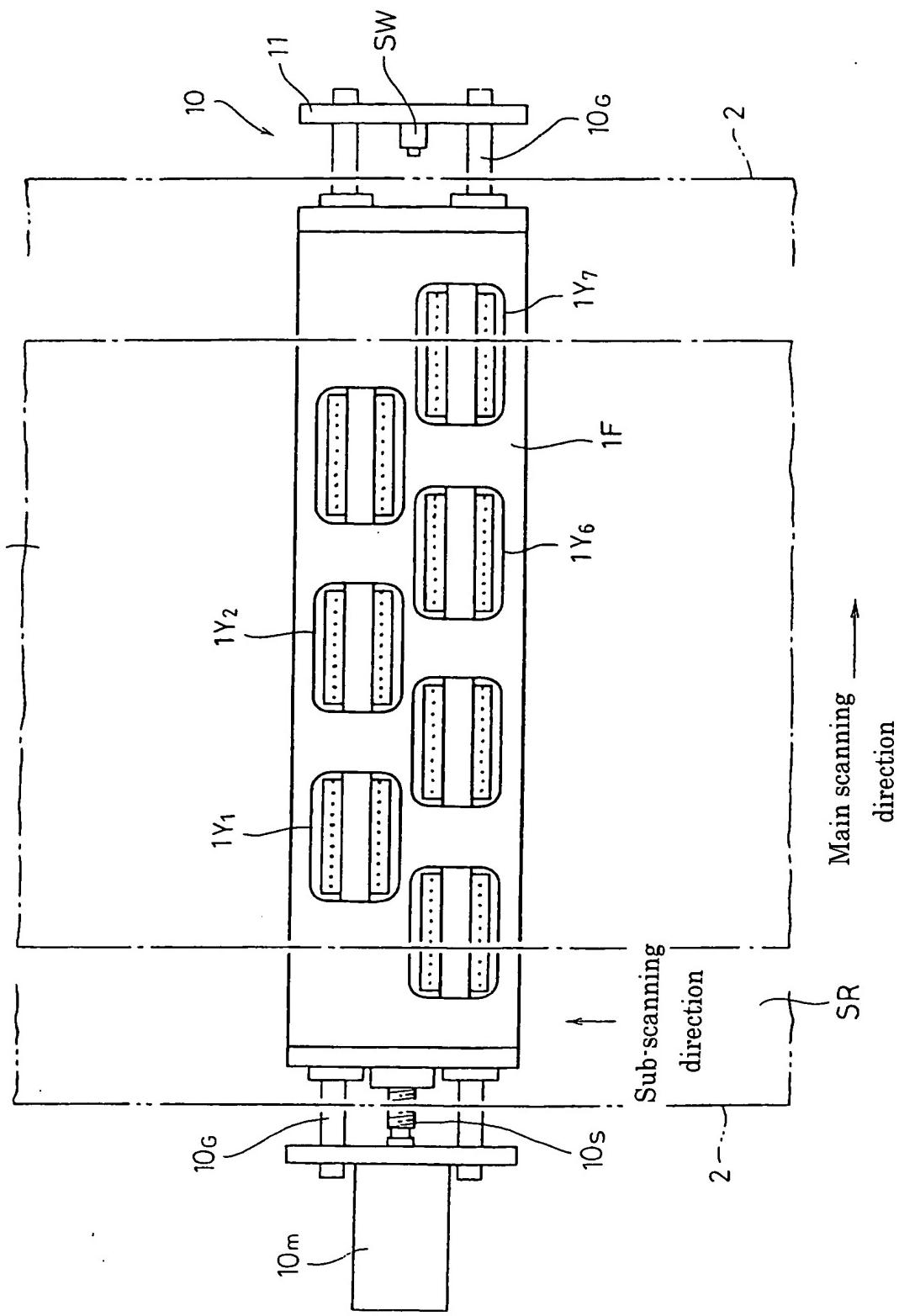


Fig.16

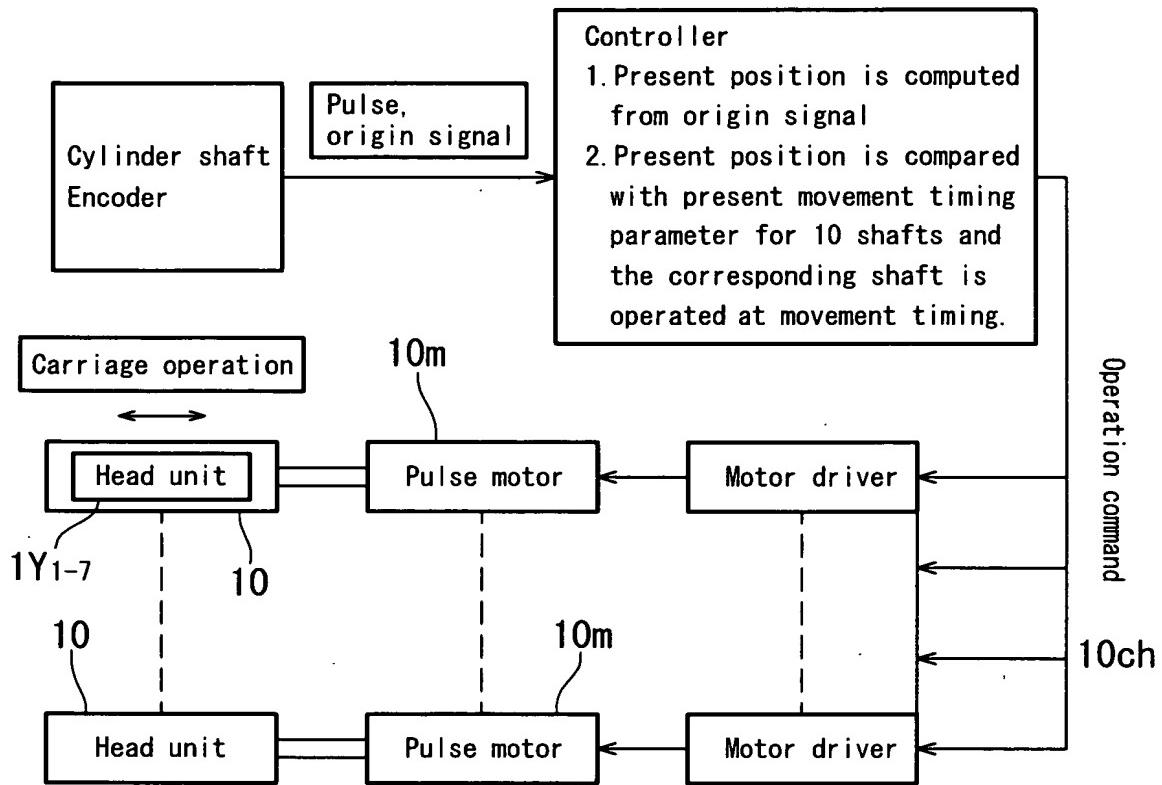


Fig.17

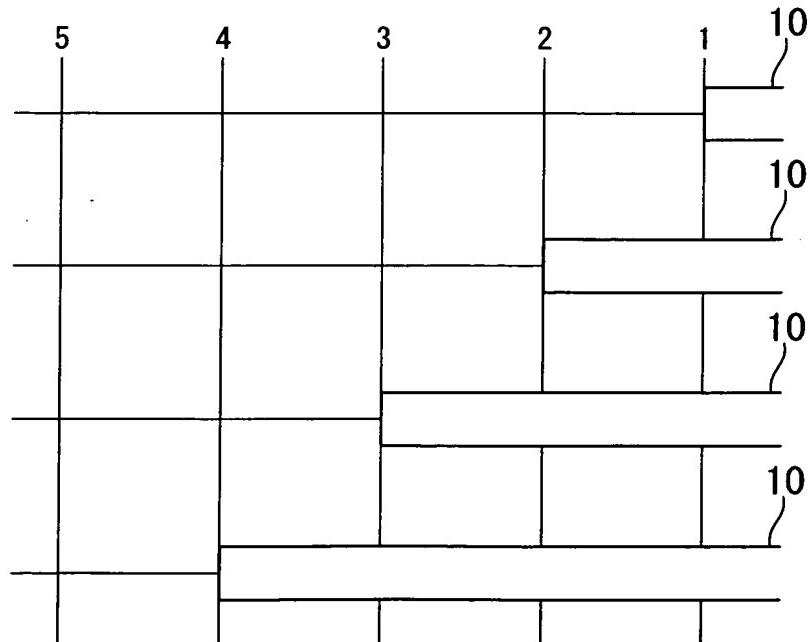


Fig. 18

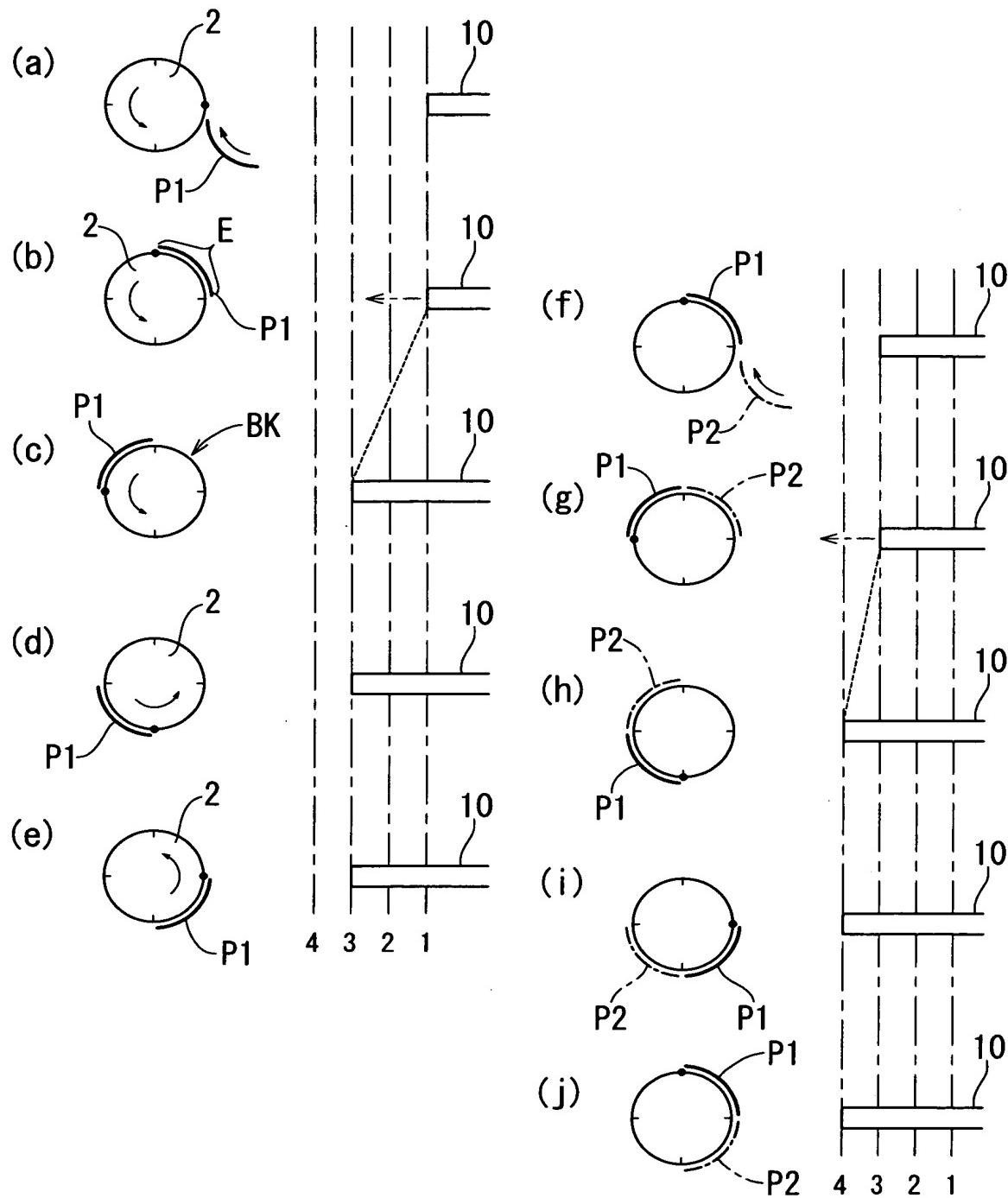


Fig. 19

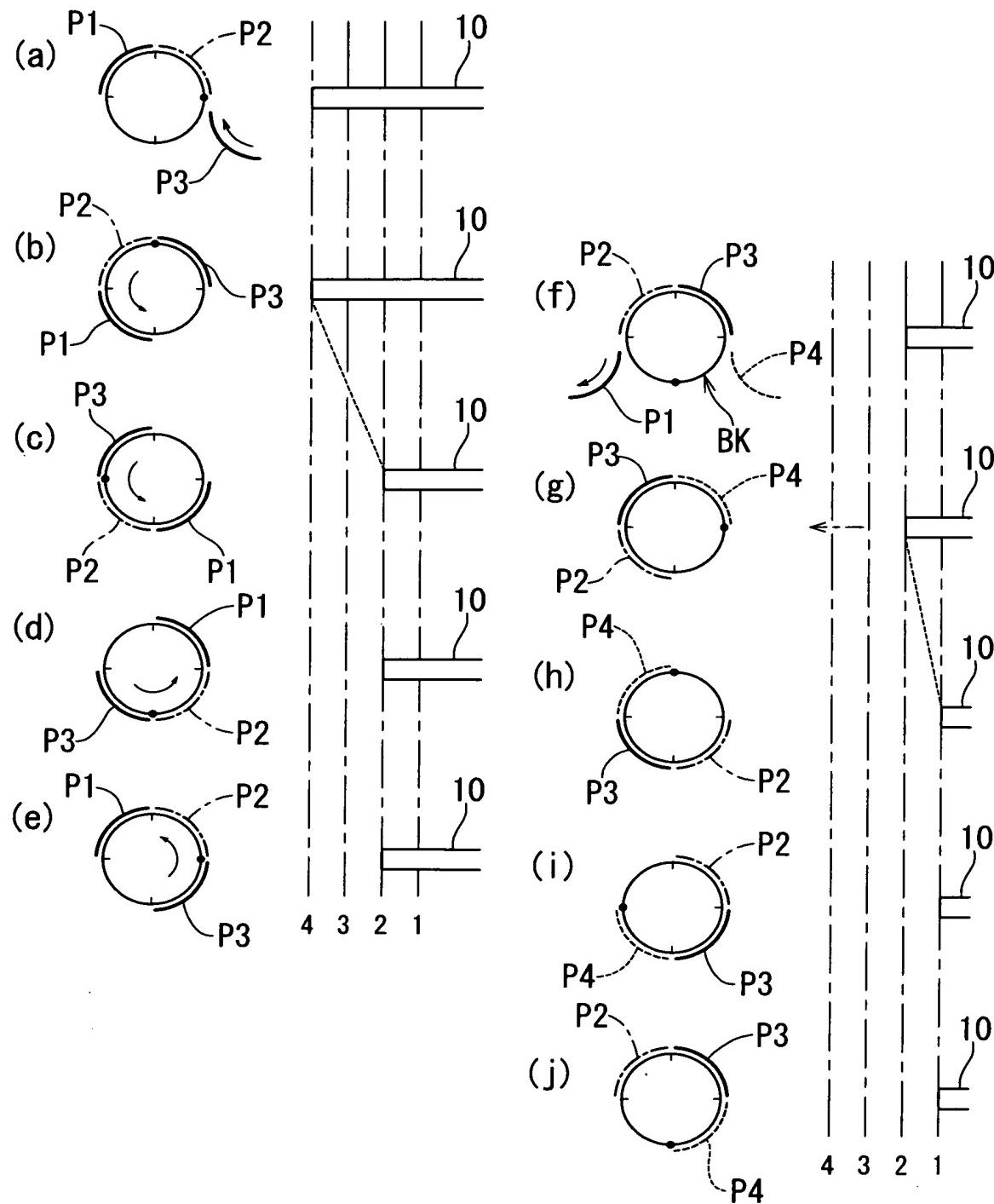


Fig.20

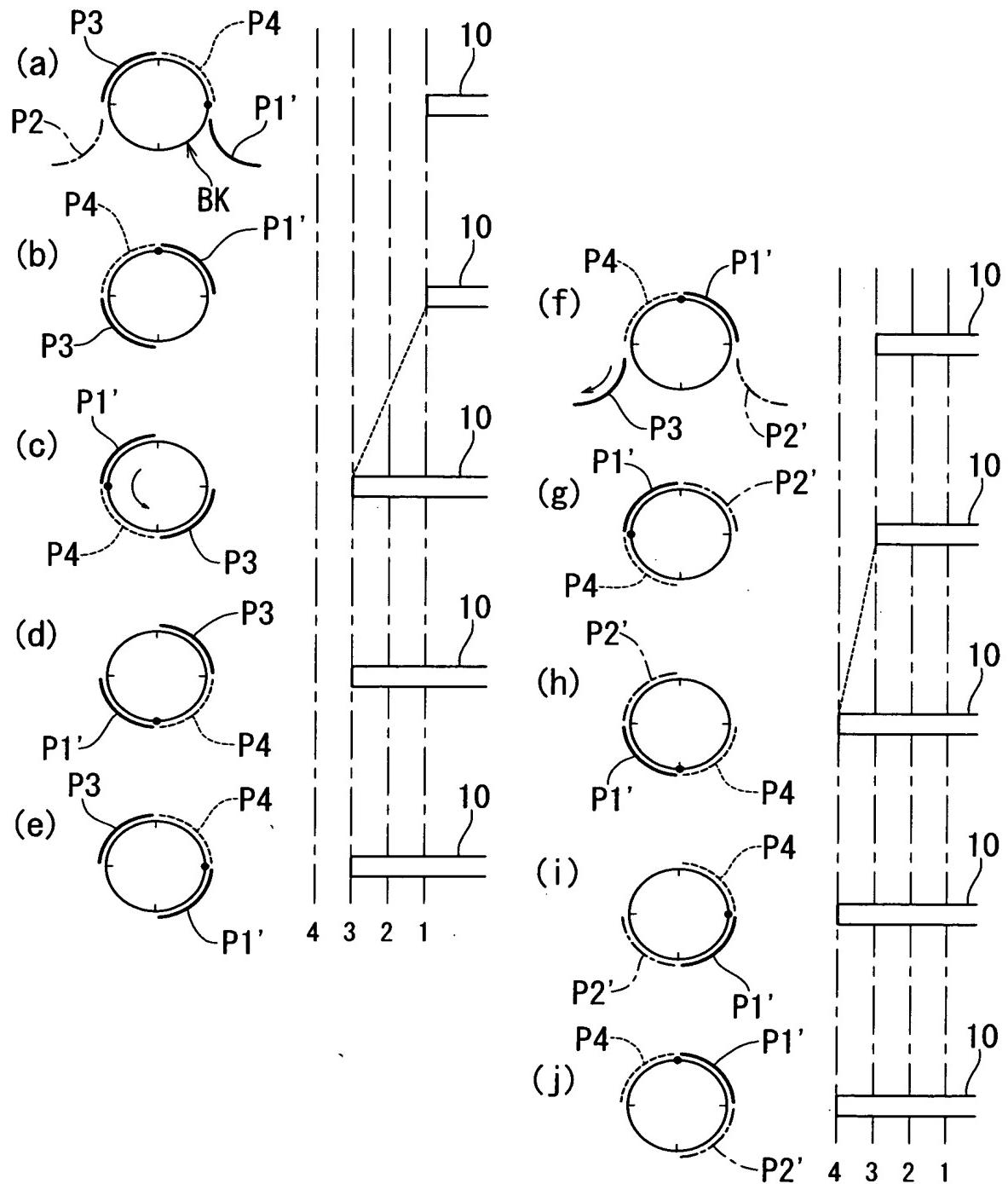


Fig. 21

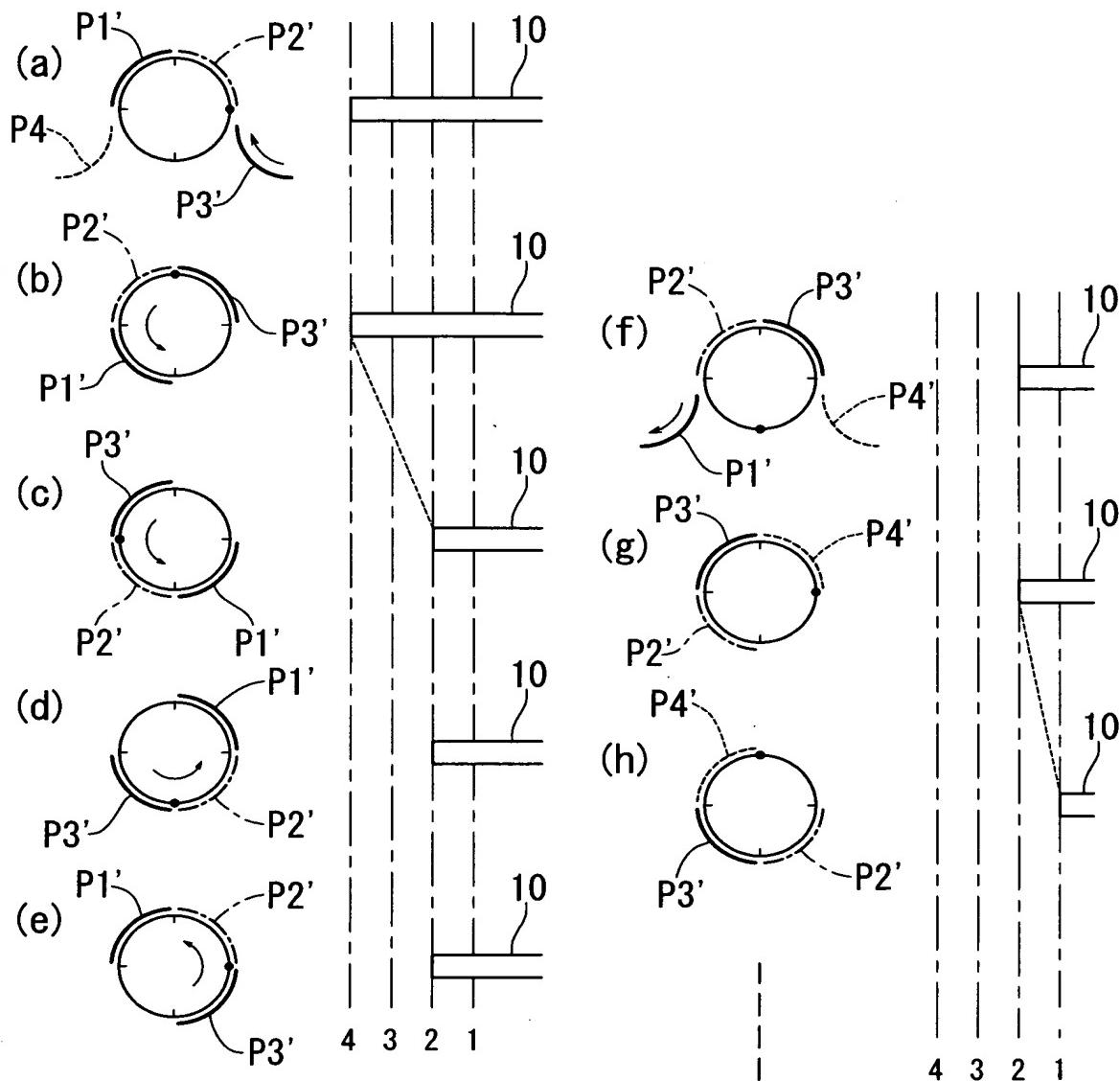


Fig.22

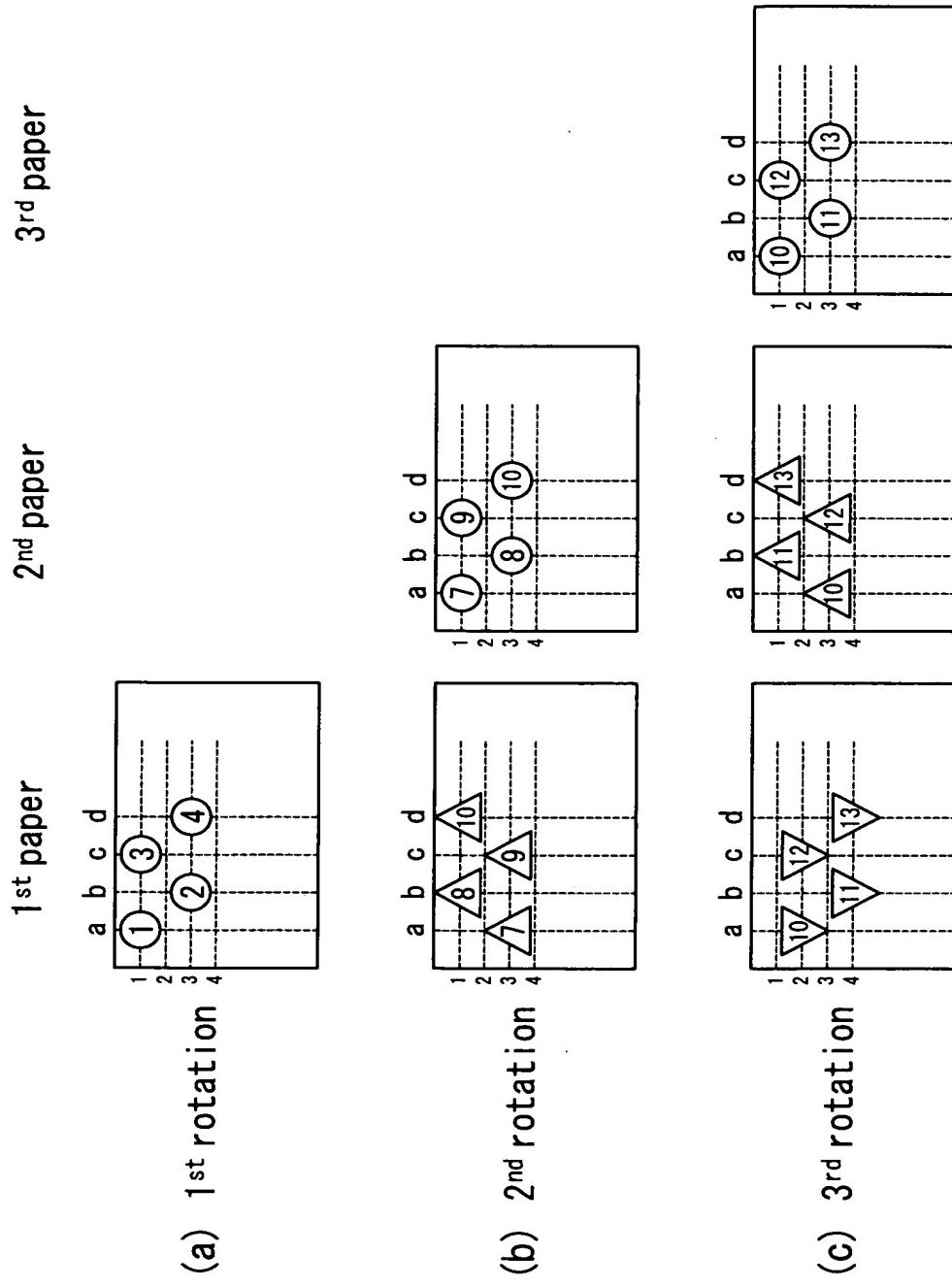


Fig.23

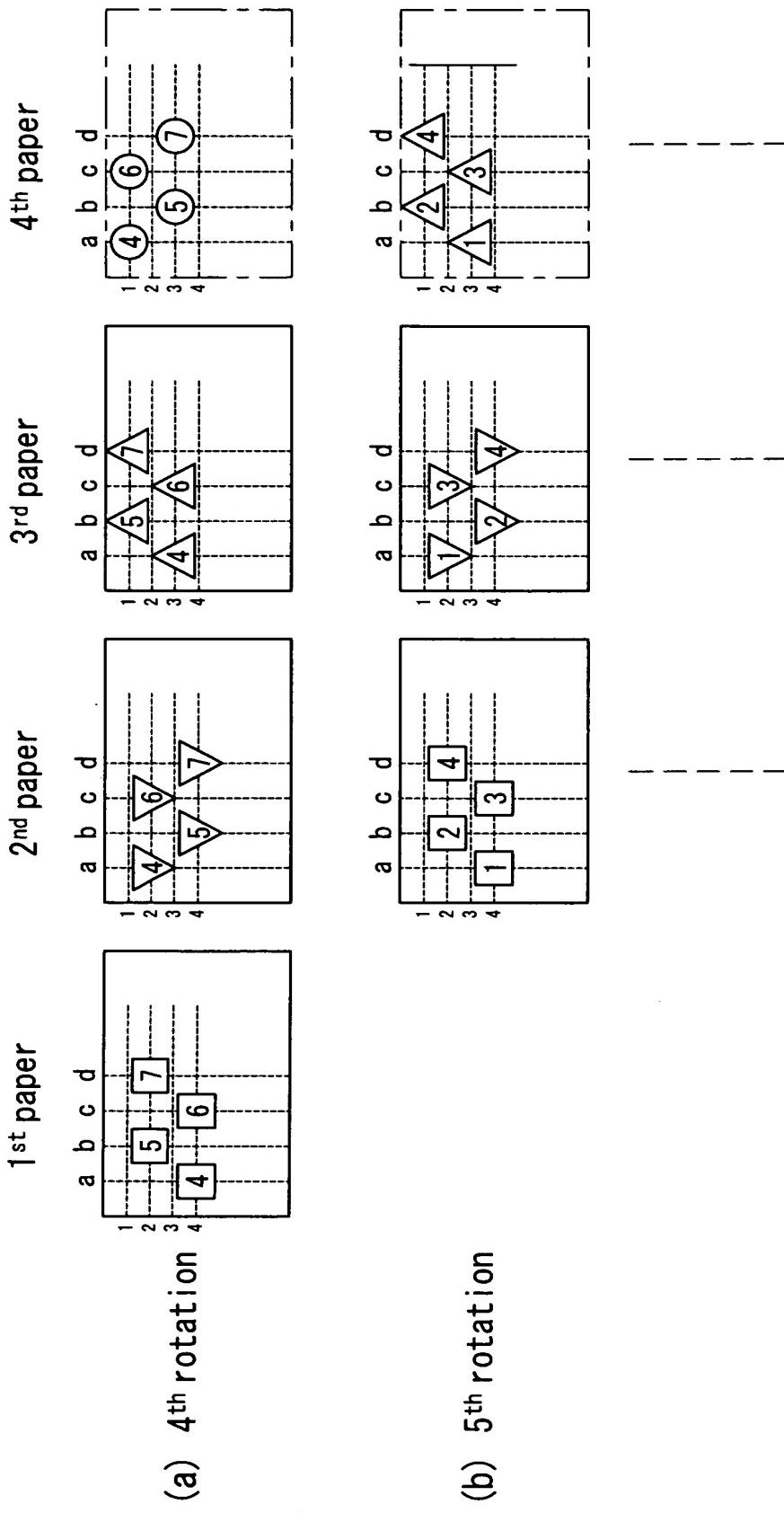


Fig. 24

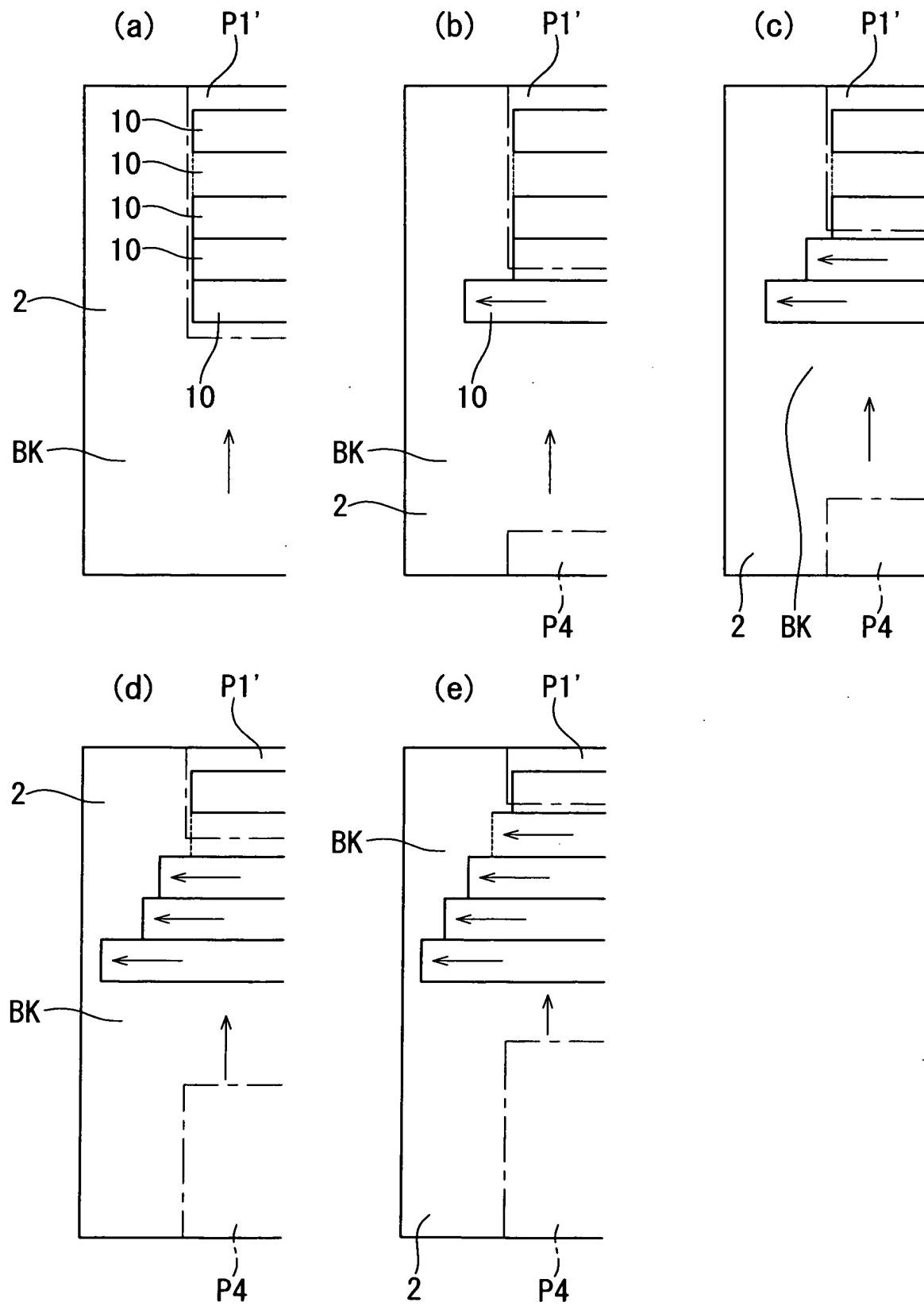


Fig. 25

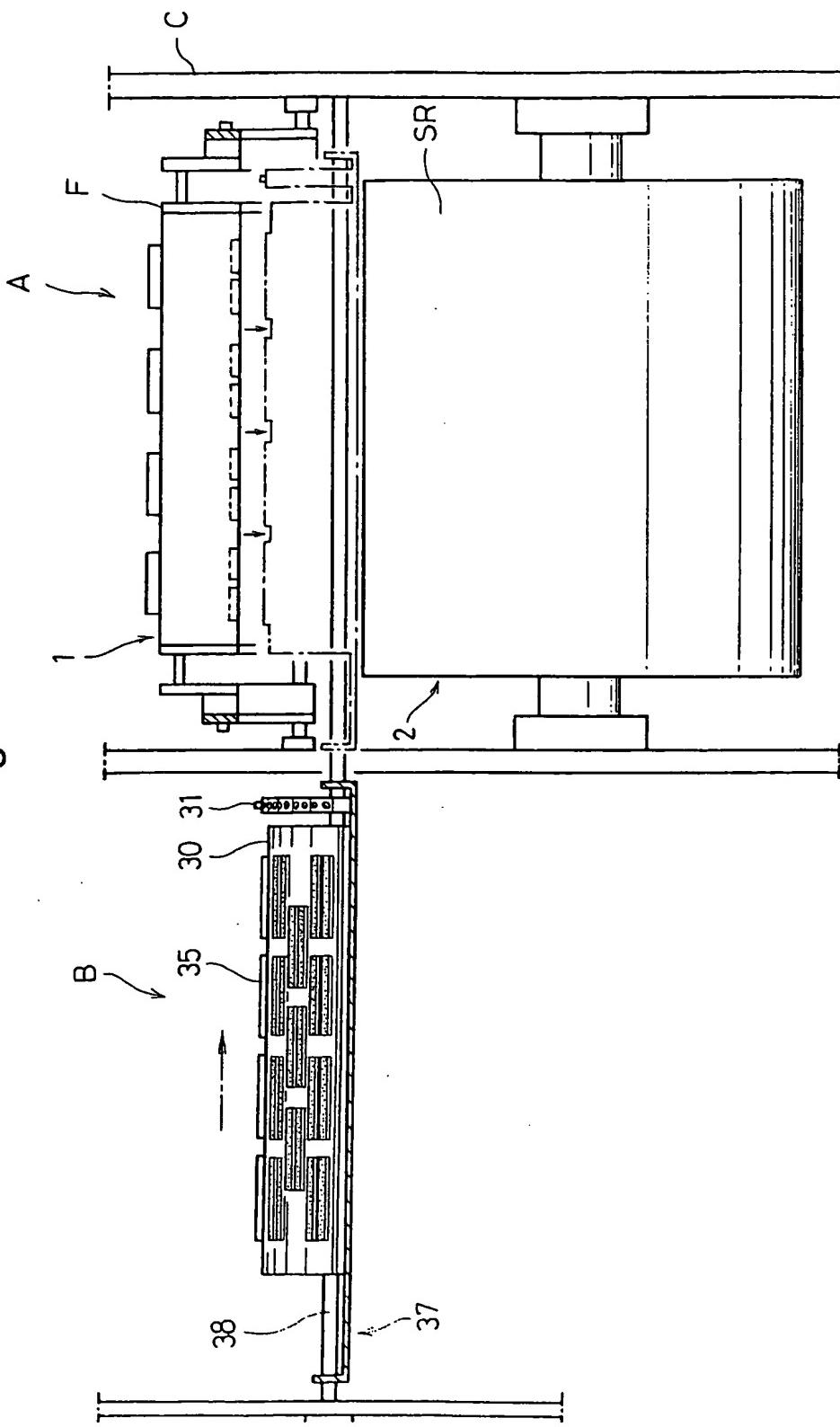


Fig.26

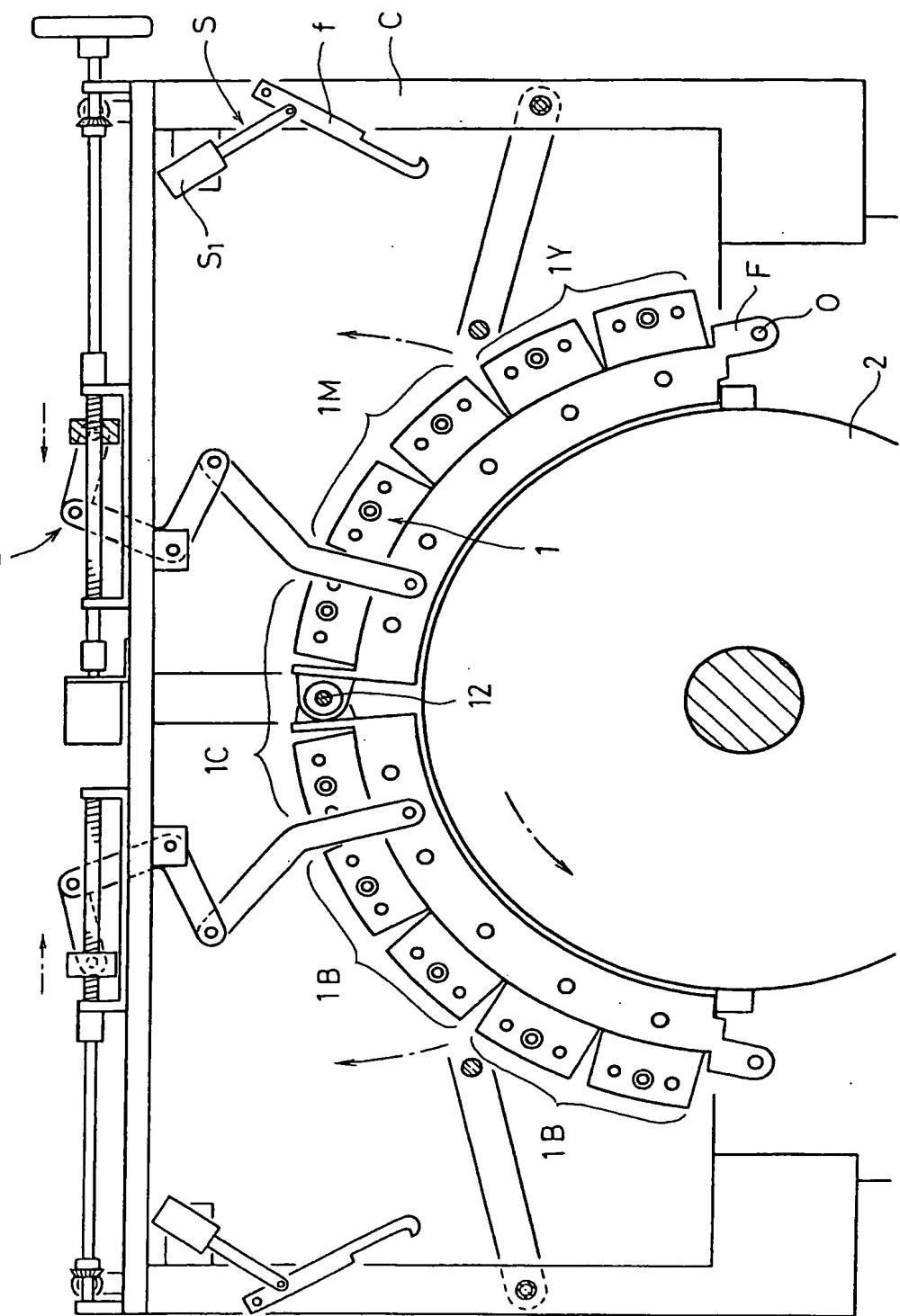


Fig. 27

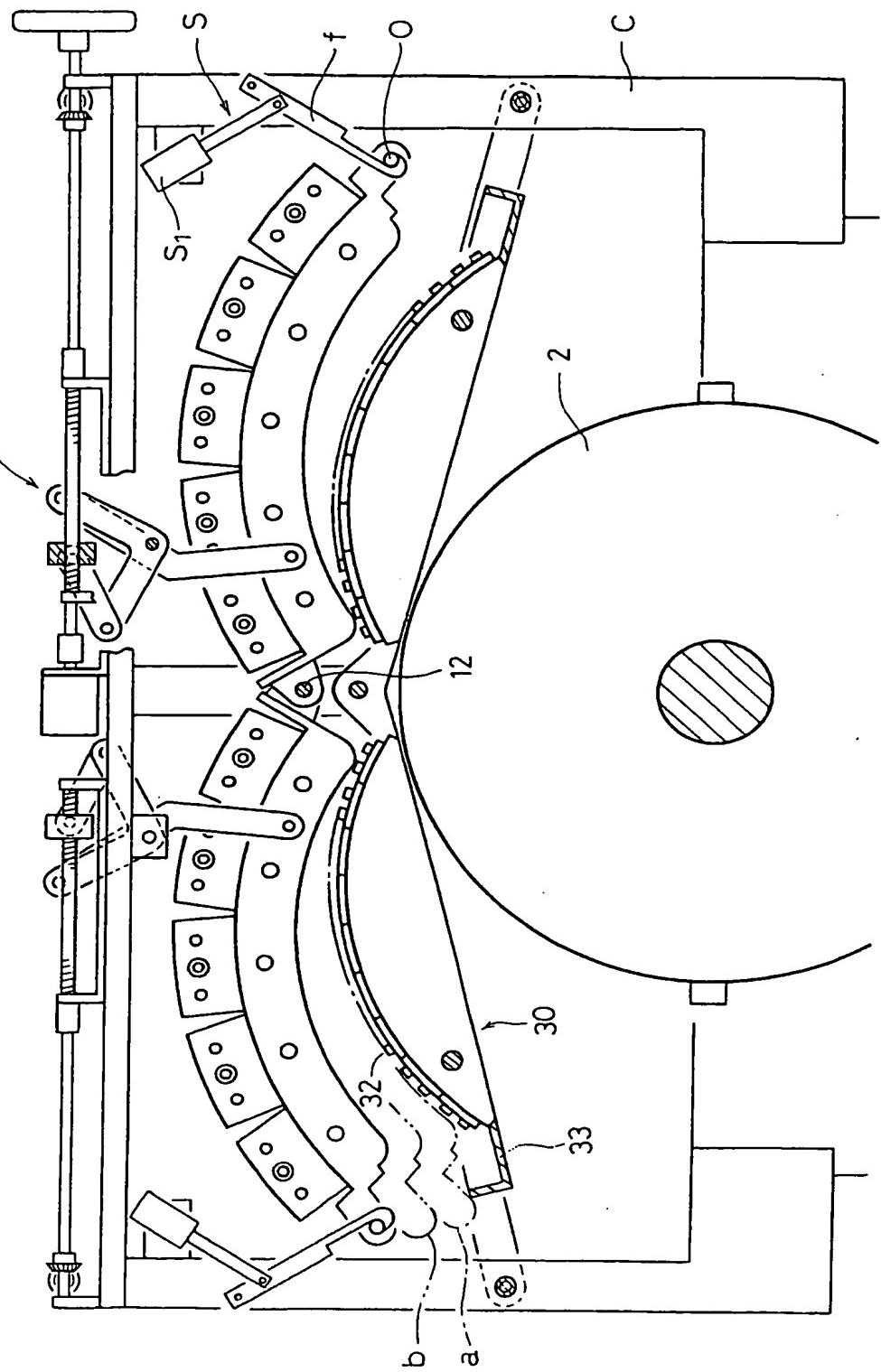


Fig. 28

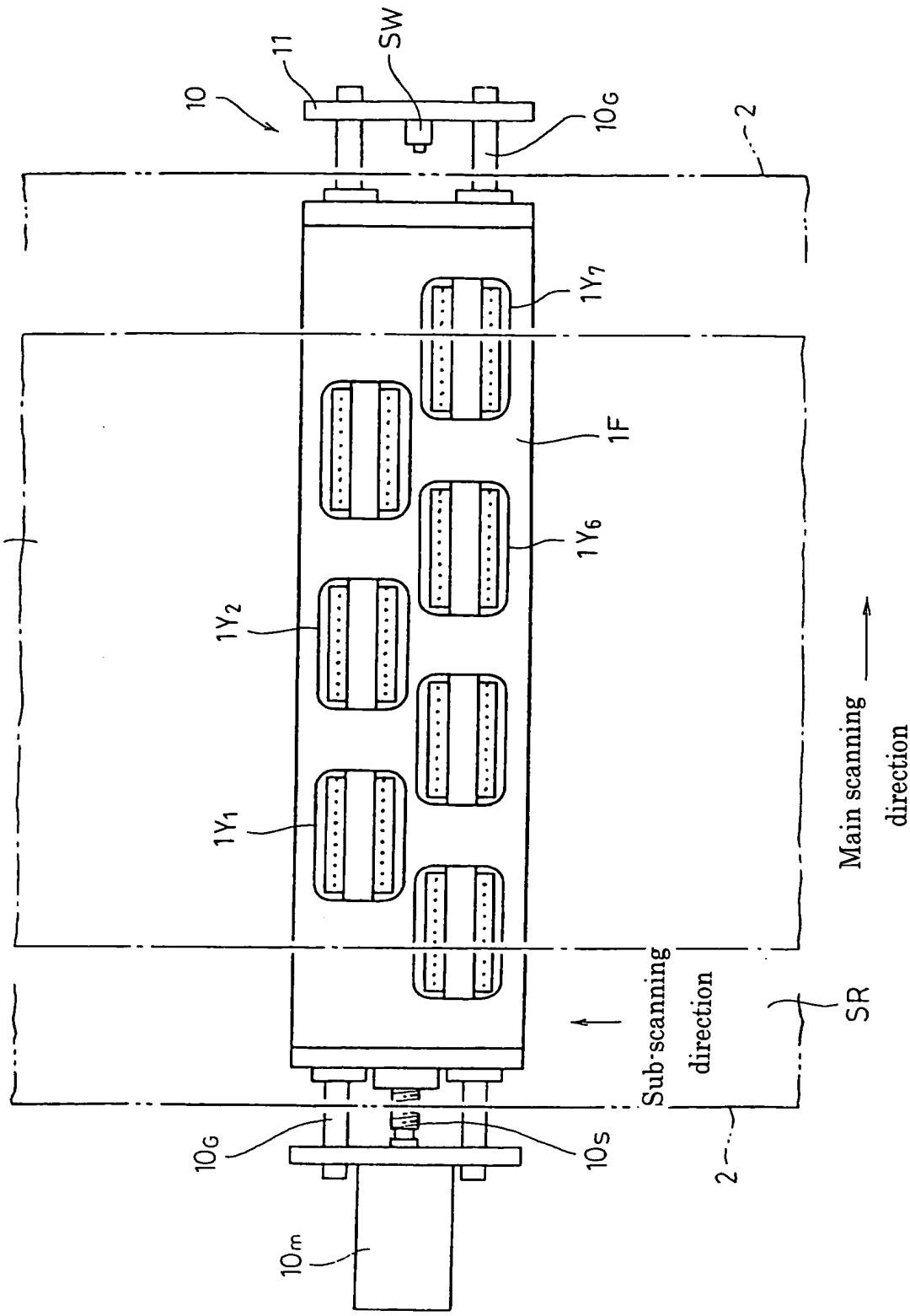


Fig.29A

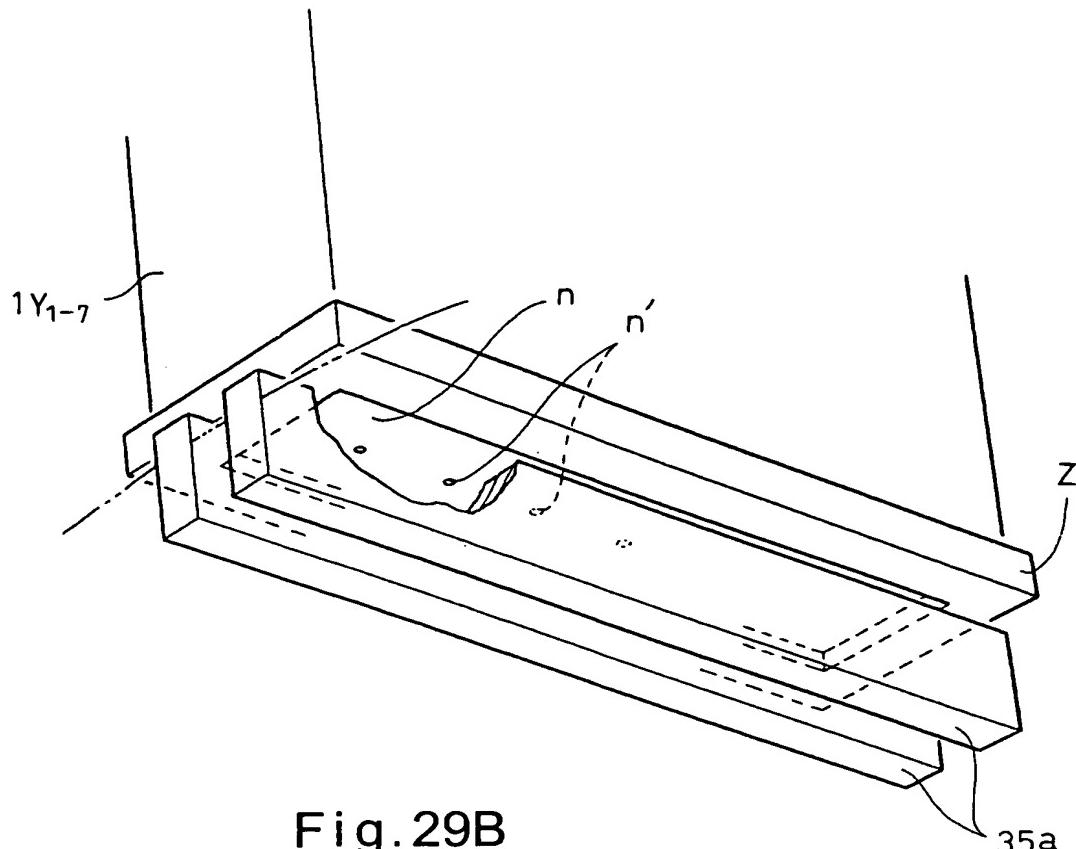


Fig.29B

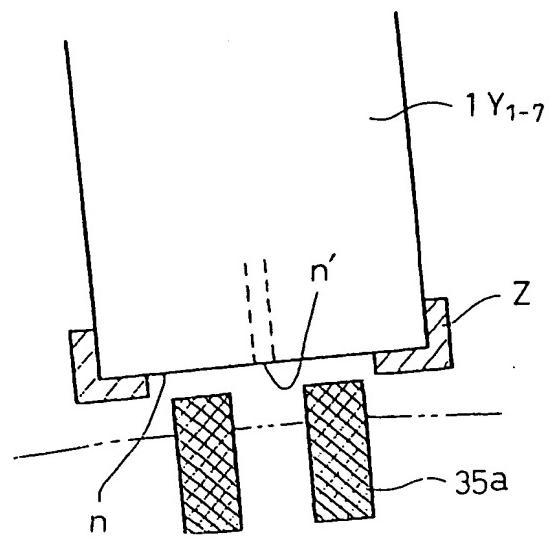
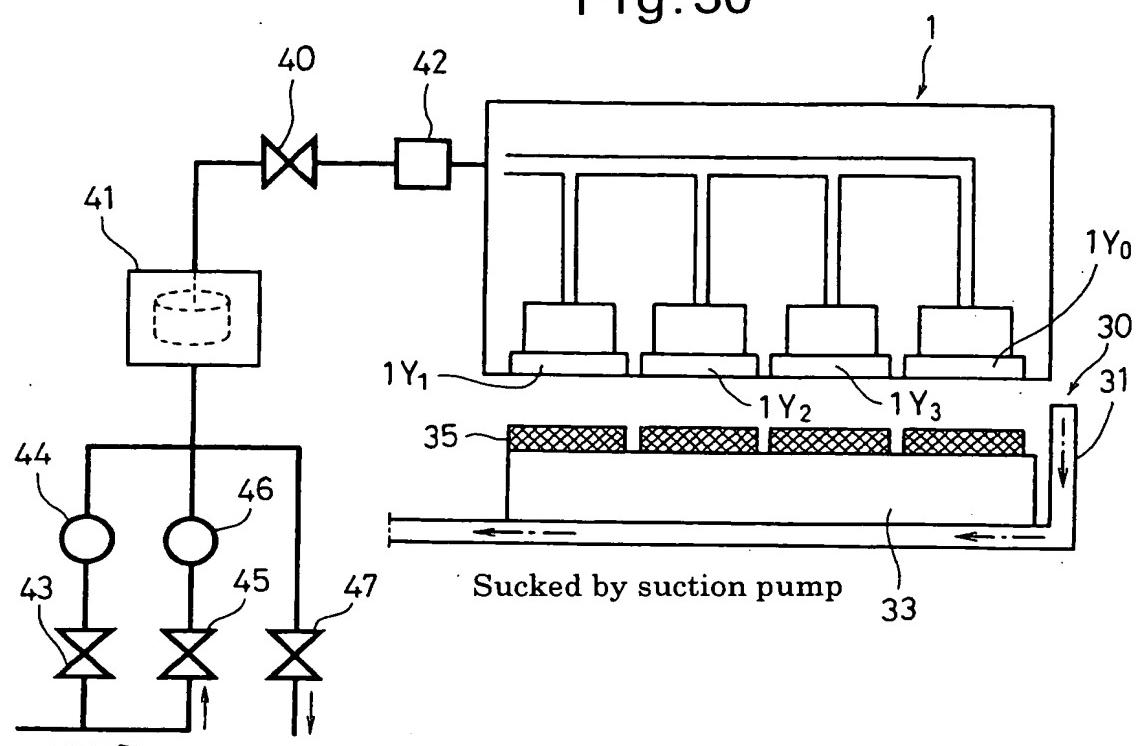


Fig.30



Pressurized by compressor

Fig. 31

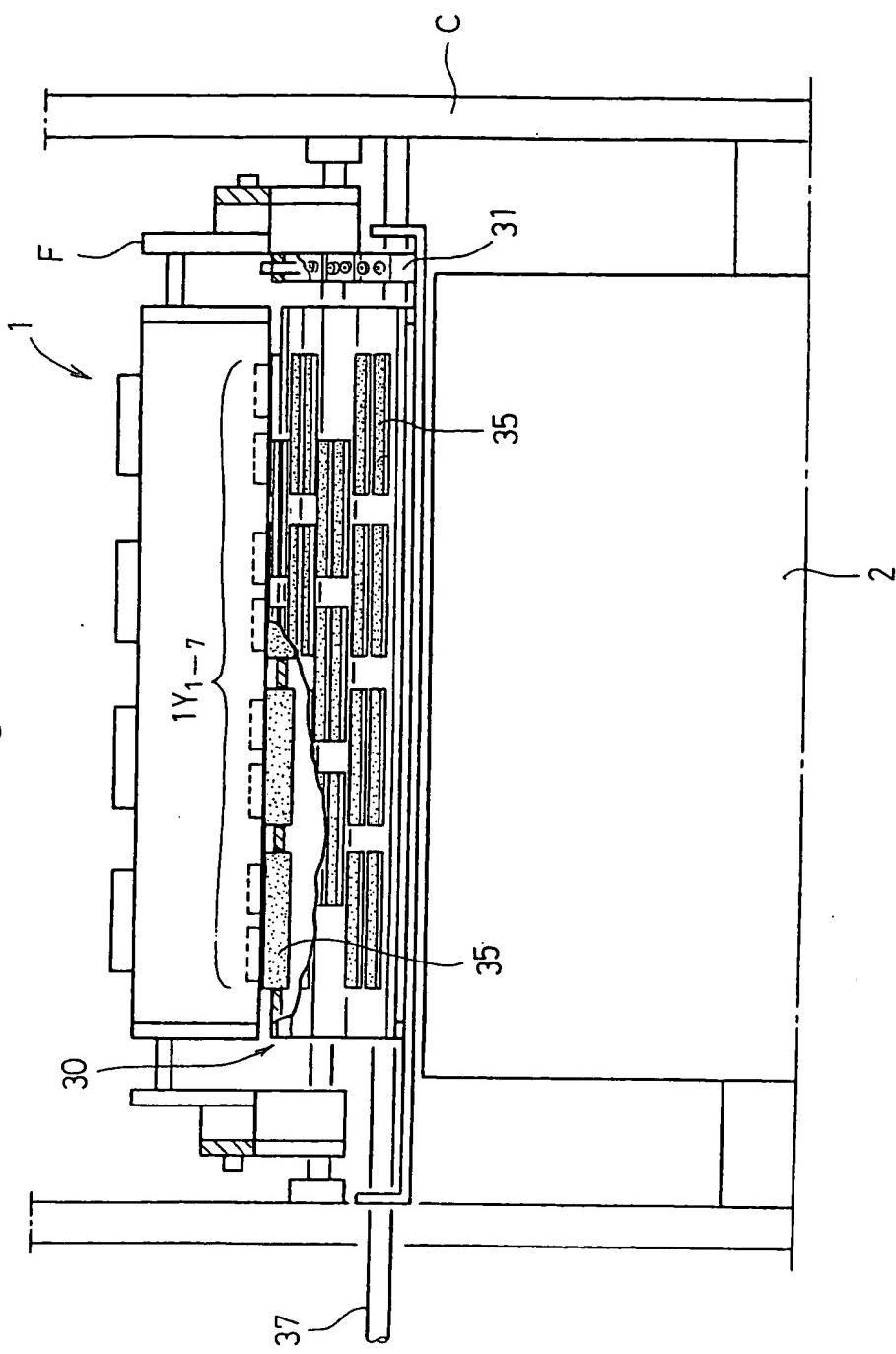


Fig. 32

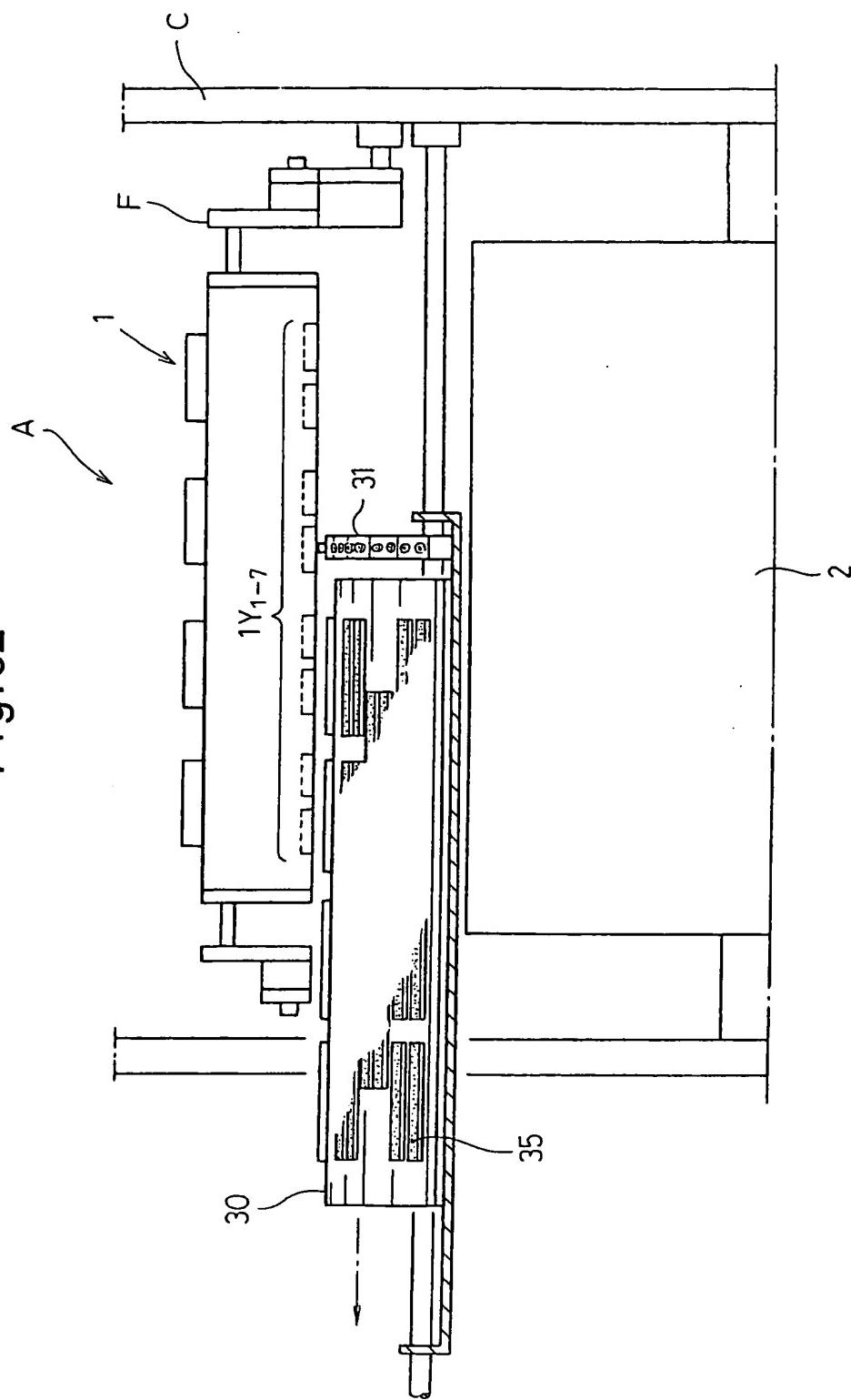


Fig.33

